## **EAST Search History**

## **EAST Search History (Prior Art)**

Ref#	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S54	127	amorphous tantalum grain boundar\$4	US-PGPUB; USPAT; USOCR; DERWENT	SAME	ON	2010/06/21 11:31
S53	1489262	amorphous tantalum grain boundar\$4	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2010/06/21 11:31
S52	1	("6800938").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/06/21 10:37
S51	1	("5221449").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/06/21 10:25
S50	7	(S46 or S48) and amorphous and grain boundar\$4	US-PGPUB; USPAT; USOCR; DERWENT	WITH	OFF	2010/06/21 09:58
S49	21	S48 and ((single with crystal\$4) or monocrystal\$4)	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2010/06/21 09:52
S48	326	(420/427).OCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/06/21 09:52
S47	15	S46 and ((single with crystal\$4) or monocrystal \$4)	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2010/06/21 09:47
S46	175	(148/422).OCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/06/21 09:47
S45	1	("7553381").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/06/21 09:45
S44	1	("4325776").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/06/21 09:39
S43	1	("6043512").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/06/21 09:37
S42	3	S41 and tantalum	US-PGPUB; USPAT; USOCR	OR	OFF	2010/06/21 09:14
S41	32	("3585088"   "3873341"   "4059461").PN. OR ("4372989").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/06/21 09:14
S40	1	("4372989").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/06/21 09:11

S39	4	S38 and diffusion with barrier	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2010/06/19 16:28
S38	168	((tantalum or ta) near2 (monocrystal\$4 or (single near crystal\$4)))	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2010/06/19 16:28
S37	39	S36 and grain boundar\$4	US-PGPUB; USPAT; USOCR; DERWENT	WITH	ON	2010/06/19 16:21
S36	94	S34 and diffusion with barrier	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2010/06/19 16:21
S35	198	S34 and diffusion	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2010/06/19 16:21
S34	479	((tantalum or ta) near (layer film or coat\$4)) with amorphous	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2010/06/19 16:20
S33	25929	(tantalum or ta) near (layer film or coat\$4)	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2010/06/19 16:20
S32	24432	(tantalum or ta) near (layer film or coat\$4)	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2010/06/19 16:20
S31	9	"6110598"	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2010/06/18 16:08
<b>S</b> 30	0	S28 and pulsed laser	US-PGPUB; USPAT; USOCR; DERWENT	WITH	OFF	2010/06/18 15:25
S29	0	S28 and pld	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2010/06/18 15:25
S28	138	(amorphous near (tantalum or ta)).ab,ti.	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2010/06/18 15:25
S27	1	("5406123").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/06/18 14:55
S26	2	(("20060071301") or ("6410210")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/06/17 12:59

S25	2	(("20060071401") or ("6410210")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/06/17 12:58
S24	1	("20070264488").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/06/16 16:14

## **EAST Search History (Interference)**

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6/21/2010 4:36:08 PM

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